

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: Li et al.
Title: SYSTEM AND METHOD FOR REGISTERING AN IMAGE WITH A
REPRESENTATION OF A PROBE
Serial No:
Art Unit:
Filing Date:
Examiner:
Date: December 31, 2003

INFORMATION DISCLOSURE STATEMENT

ATTN: Mail Stop PATENT APPLICATION
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

The following are submitted in the above application in compliance with 37 CFR 1.97 and 37 CFR 1.98.

- [X] 1. A list of documents on Form PTO-1449 or Substitute of each identified document and a translation thereof or a concise explanation of each non-English language document or a Search Report or communication from a non-US patent office or an International Search Report from an International Searching Authority for a patent application filed via the Patent Cooperation Treaty or document(s) cited in the application or the priority application.

This paper is submitted in accordance with:

- [X] 2. 37 CFR 1.97(b): [within three months of national, non-CPA filing, prior to first Office Action, on the merits, or prior to first office action after filing an RCE]
- [] 3. 37 CFR 1.97(c): [before Final Office Action, Allowance, or other action closing prosecution, whichever is earlier]; and
- [] a. The required Certification made in item 5 below; or
- [] b. The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 6 below.

CERTIFICATE OF MAILING

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 as Express Mail No. EL 979077480 US on December 31, 2003 and is addressed to Mail Stop PATENT APPLICATION, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

By: Carolyn Simpson Date: December 31, 2003

Name: Carolyn Simpson

4. 37 CFR 1.97(d): [on or before issue fee payment]; and

- a) The required Certification is stated in item 5 below and
- b) The \$180.00 fee specified in 37 C.F.R. 1.17(p) for submission of this Information Disclosure Statement is authorized in item 6 below.

5. Certification

- [] a. Each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of this Statement; or
- [] b. No item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application and, to the knowledge of the person signing this document after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing date of this Statement.

6. Payment of all applicable fees:

- Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. _____.
- Enclosed is a check in the amount of \$_____ in payment of all applicable fees associated with the submittal of this Information Disclosure Statement

This document is submitted in duplicate.

Respectfully submitted,

Date Dec 31, 2003

By Scott C. Nielson

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Complete if Known

Application Number

Filing Date

First Named Inventor

Joel Q. Xue

Group Art Unit

Examiner Name

066243-0243 (141218)

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
A-1	6,569,160			Goldin et al.	05-27-2003	
A-2	6,565,511			Panescu et al.	05-20-2003	
A-3	6,558,333			Gilboa et al.	05-06-2003	
A-4	6,546,270			Golden et al.	04-08-2003	
A-5	6,528,991			Ashe	03-04-2003	
A-6	6,522,913			Swanson et al.	02-18-2003	
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A-8	6,498,944			Ben-Haim et al.	12-24-2002	
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A-14	6,489,961			Baxter, III et al.	12-03-2002	
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A-18	6,458,123			Brucker et al.	10-01-2002	
A-19	6,456,867			Reisfeld	09-24-2002	
A-20	6,453,190			Acker et al.	09-17-2002	
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A-22	6,445,943			Ferre et al.	09-03-2002	
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A-42	6,246,231			Ashe	06-12-2001	

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Joel Q. Xue

Group Art Unit**Examiner Name****Attorney Docket Number**

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		Number	Kind Code ² (if known)			
A-43	6,240,307			Beatty et al.	05-29-2001	
A-44	6,226,543			Gilboa et al.	05-01-2001	
A-45	6,226,542			Reisfeld	05-01-2001	
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				Group Art Unit	
				Examiner Name	
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A-85	5,713,946			Ben-Haim	02-03-1998	
A-86	5,697,377			Wittkampf	12-16-1997	
A-87	5,694,945			Ben-Haim	12-09-1997	
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A-90	5,600,330			Blood	02-04-1997	
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A-95	5,515,853			Smith et al.	05-14-1996	
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A-105	ASTROM, M. et al., Least Squares VCG Loop Alignment, 4 Pages	
	A-106	ASTROM M. et al., Vectorcardiographic Loop Alignment and the Measurement of Morphologic Beat-to-Beat Variability in Noisy Signals, IEEE Transactions on Biomedical Engineering, Vol. 47, No. 4, April 2000, pages 497-506	
	A-107	ASTROM M., Vectorcardiographic Loop Alignment in Ischemia Monitoring, Licentiate in Engineering Thesis, April 2000, 75 Pages	

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